Contents of Volume 109

No 1–2: pp 1 – 160 published April 2000
No 3: pp 161 – 218 published June 2000
No 4: pp 219 – 298 published July 2000
No 5: pp 299 – 364 published August 2000
No 6: pp 365 – 434 published September 2000
No 7: pp 435 – 514 published November 2000
No 8: pp 515 – 572 published February 2001

Abad JP → Agudo M
Abrell S, Carrera P, Jäckle H: A modifier screen of ectopic *Krüppel* activity identifies autosomal *Drosophila* chromosomal sites and genes required for normal eye development 334
Adams SP, Leitch IJ, Bennett MD, Leitch AR: *Aloe* L. – a second plant family without $(TTTAGGG)_n$ telomeres 201
Agudo M, Abad JP, Molina I, Losada A, Ripoll P, Villasante A: A dicentric chromosome of *Drosophila melanogaster* showing alternate centromere inactivation 190
Ahmadian P → González-Melendi P
Alexandrova O → Bogolyubov D
Almeida-Toledo LF, Foresti F, Daniel MFZ, Toledo-Filho SA: Sex chromosome evolution in fish: the formation of the neo-Y chromosome in *Eigenmannia* (Gymnotiformes) 197
Alonso R → Andrade R
Amalric F → Malatesta M
Amar L → Dubrana K
Andrade R, Arlucea J, Alonso R, Aréchaga J: Nucleoplasmin binds to nuclear pore filaments and accumulates in specific regions of the nucleolar cortex 545
Angell RR → Wolstenholme J
Arana P → Manzanero S
Aréchaga J → Andrade R
Arlucea J → Andrade R
Armstrong SJ → Caryl AP

Baart EB, Rooij DG de, Keegan KS, Boer P de: Distribution of Atr protein in primary spermatocytes of a mouse chromosomal mutant: a comparison of preparation techniques 139
Barton AB → Su Y
Battistelli S → Malatesta M
Baumann C → Plehn-Dujowich D
Bell P → Plehn-Dujowich D
Benavente R → Glasenapp E von
Benavente R → Turner JMA
Bennett MD → Adams SP
Bezděk M → Yoong Lim K
Bickmore WA → Sullivan BA
Biessmann H, Zurovcova M, Yao JG, Lozovskaya E, Walter MF: A telomeric satellite in *Drosophila virilis* and its sibling species 372
Blackman RL → Spence JM
Boer P de → Baart EB
Bogolyubov D, Alexandrova O, Tsvetkov A, Parfenov V: An immunoelectron study of karyosphere and nuclear bodies in oocytes of mealworm beetle, *Tenebrio molitor* (Coleoptera: Polyphaga) 415
Borts RH → Khazanehdari KA
Bronsard M → Yan J
Brown WRA → Shen MH
Burgoyne PS → Turner JMA

Canavez FC → Schneider H
Carrera P → Abrell S
Caryl AP, Armstrong SJ, Jones GH, Franklin FCH: A homologue of the yeast *HOP1* gene is inactivated in the *Arabidopsis* meiotic mutant *asy1* 62
Cerro AL del → Suja JA
Chikashige Y → Hiraoka Y
Clarke DJ → Giménez-Abián JF
Courvalin J-C → Ma J
Critcher R → Lee C

Daniel MFZ → Almeida-Toledo LF
Dawson D → Ross LO
De la Torre C → Giménez-Abián JF
Delattre M → Seum C
Devlin J → Giménez-Abián JF
Ding D-Q → Hiraoka Y
Doležel J → Hoopen R ten
Downes CS → Giménez-Abián JF
Drouin R → Yan J
Dubrana K, Amar L: Programmed DNA under-amplification in *Paramecium primaurelia* 460
Dvorak J, Lukaszewski AJ: Centromere association is an unlikely mechanism by which the wheat *Ph1* locus regulates metaphase I chromosome pairing between homoeologous chromosomes 410

Earnshaw WC → Floridia G
Eijpe M, Offenberg H, Goedecke W, Heyting C: Localisation of RAD50 and MRE11 in spermatocyte nuclei of mouse and rat 123
Eissenberg JC → Ma J
Endo TR → Shi F
Escalier D, Garchon H-J: XMR is associated with the asynapsed segments of sex chromosomes in the XY body of mouse primary spermatocytes 259
Esposito RE → Tevzadze GG
Evgen'ev M, Zelentsova H, Mnjoian L, Poluectova H, Kidwell MG: Invasion of *Drosophila virilis* by the *Penelope* transposable element 350

Fakan S → Malatesta M
Farr CJ → Lee C
Floridia G, Gimelli G, Zuffardi O, Earnshaw WC, Warburton PE, Tyler-Smith C: A neocentromere in the *DAZ* region of the human Y chromosome 318
Foresti F → Almeida-Toledo LF
Forster JW → Jenkins G
Franklin FCH → Caryl AP
Fransz PF → Vergunst AC
Friebe B → Qi LL
Froschauer A → Nanda I

Garchon H-J → Escalier D
Gazzanelli G → Malatesta M
Giglio S → Gimelli G
Gill BS → Qi LL
Gimelli G, Zuffardi O, Giglio S, Zeng C, He D: CENP-G in neocentromeres and inactive centromeres 328
Gimelli G → Floridia G
Giménez-Abián JF, Clarke DJ, Devlin J, Giménez-Abián MI, De la Torre C, Johnson RT, Mullinger AM, Downes CS: Premitotic chromosome individualization in mammalian cells depends on topoisomerase II activity 235
Giménez-Abián MI → Giménez-Abián JF
Glasenapp E von, Benavente R: Fate of meiotic lamin C2 in rat spermatocytes cultured in the presence of okadaic acid 117
Goedecke W → Eijpe M
González-Melendi P, Testillano PS, Ahmadian P, Reyes J, Risueño MC: Immunoelectron microscopy of PCNA as an efficient marker for studying replication times and sites during pollen development 397

Hancock R: A new look at the nuclear matrix 219
Hans de Jong J → Vergunst AC
Hanson L → Houben A
Hawley RS → McKim KS
Hawley RS → Walker MY
He D → Gimelli G
Head J → Jenkins G
Heemst D van, Heyting C: Sister chromatid cohesion and recombination in meiosis 10
Heyer W-D → Schmuckli-Maurer J
Heyting C → Eijpe M
Heyting C → Heemst D van
Heyting C → Turner JMA
Hiraoka Y, Ding D-Q, Yamamoto A, Tsutsumi C, Chikashige Y: Characterization of fission yeast meiotic mutants based on live observation of meiotic prophase nuclear movement 103
Hoopen R ten, Manteuffel R, Doležel J, Malysheva L, Schubert I: Evolutionary conservation of kinetochore protein sequences in plants 482
Hooykaas PJJ → Vergunst AC
Houben A, Wanner G, Hanson L, Verlin D, Leach CR, Timmis JN: Cloning and characterisation of polymorphic heterochromatic segments of *Brachycome dichromosomatica* 206, 433
Houben A → Manzanero S
Hwang K-K → Ma J

Ina S, Sasaki T, Yokota Y, Shinomiya T: A broad replication origin of *Drosophila melanogaster*, *oriDα*, consists of AT-rich multiple discrete initiation sites 551
Ishov AM → Plehn-Dujowich D

Jäckle H → Abrell S
Jang JK → McKim KS
Jansen LET → Vergunst AC
Jardim AR → Ross LO
Jenkins G, Head J, Forster JW: Probing meiosis in hybrids of *Lolium* (Poaceae) with a discriminatory repetitive genomic sequence 280
Jin C → Jin Y
Jin Y, Jin C, Salemark L, Martins C, Wennerberg J, Mertens F: Centromere cleavage is a mechanism underlying isochromosome formation in skin and head and neck carcinomas 476
Johnson RT → Giménez-Abián JF
Jones GH → Caryl AP

Kaback DB → Su Y
Keegan KS → Baart EB
Khazanehdari KA, Borts RH: *EXO1* and *MSH4* differentially affect crossing-over and segregation 94, 434
Kidwell MG → Evgen'ev M
Körting C → Nanda I
Kovarik A → Yoong Lim K

Lankenau D-H, Peluso MV, Lankenau S: The Su(Hw) chromatin insulator protein alters double-strand break repair frequencies in the *Drosophila* germ line 148
Lankenau S → Lankenau D-H
Laurencon A → McKim KS
Leach CR → Houben A
Lee C, Critcher R, Zhang J-G, Mills W, Farr CJ: Distribution of gamma satellite DNA on the human X and Y chromosomes suggests that it is not required for mitotic centromere function 381
Leitch AR → Adams SP
Leitch AR → Lim KY
Leitch AR → Yoong Lim K
Leitch IJ → Adams SP
Lichtenstein CP → Lim KY
Lichtenstein CP → Yoong Lim K
Lim KY, Matyášek R, Lichtenstein CP, Leitch AR: Molecular cytogenetic analyses and phylogenetic studies in the *Nicotiana* section Tomentosae 245
Loidl J, Schweizer D: European Meiosis Meetings since 1990: cytology meets genetics in model organisms 1
Losada A → Agudo M
Lozovskaya E → Biessmann H
Lukaszewski AJ → Dvorak J

Ma J, Hwang K-K, Worman HJ, Courvalin J-C, Eissenberg JC: Expression and functional analysis of three isoforms of human heterochromatin-associated protein HP1 in *Drosophila* 536
Mahadevaiah SK → Turner JMA
Malatesta M, Gazzanelli G, Battistelli S, Martin TE, Amalric F, Fakan S: Nucleoli undergo structural and molecular modifications during hibernation 506
Malysheva L → Hoopen R ten
Manteuffel R → Hoopen R ten
Manzanero S, Arana P, Puertas MJ, Houben A: The chromosomal distribution of phosphorylated histone H3 differs between plants and animals at meiosis 308
Martin TE → Malatesta M
Martins C → Jin Y
Massy B de → Metzler-Guillemain C
Matyášek R → Lim KY
Maul GG → Plehn-Dujowich D
Matyášek R → Yoong Lim K
McKim KS, Jang JK, Sekelsky JJ, Laurencon A, Hawley RS: *mei-41* is required for precocious anaphase in *Drosophila* females 44
Mertens F → Jin Y
Metzler-Guillemain C, Massy B de: Identification and characterization of an SPO11 homolog in the mouse 133
Mills W → Lee C
Mnjoian L → Evgen'ev M
Molina I → Agudo M
Moreira M → Schneider H
Moritz KB → Niedermaier J
Mullinger AM → Giménez-Abián JF

Nanda I, Volff J-N, Weis S, Körting C, Froschauer A, Schmid M, Schartl M: Amplification of a long terminal repeat-like element on the Y chromosome of the platyfish, *Xiphophorus maculatus* 173
Nasmyth K → Salah S-M
Niedermaier J, Moritz KB: Organization and dynamics of satellite and telomere DNAs in *Ascaris*: implications for formation and programmed breakdown of compound chromosomes 439

Offenberg H → Eijpe M
Offenberg HH → Turner JMA

Page J → Suja JA
Parfenov V → Bogolyubov D
Pauli D → Seum C
Peluso MV → Lankenau D-H
Pendon C → Shen MH
Plehn-Dujowich D, Bell P, Ishov AM, Baumann C, Maul GG: Non-apoptotic chromosome condensation induced by stress: delineation of interchromosomal spaces 266
Poluectova H → Evgen'ev M
Puertas MJ → Manzanero S

Qi LL, Friebe B, Gill BS: Recombination in an isochromosome preferentially occurs between *cis* isochromatids 390

Reyes J → González-Melendi P
Ripoll P → Agudo M
Risueño MC → González-Melendi P
Roeder GS → Smith AV
Rooij DG de → Baart EB
Ross LO, Zenvirth D, Jardim AR, Dawson D: Double-strand breaks on artificial chromosomes in yeast 226
Rufas JS → Suja JA
Rumpler Y → Vezuli A

Salah S-M, Nasmyth K: Destruction of the securin Pds1p occurs at the onset of anaphase during both meiotic divisions in yeast 27
Salemark L → Jin Y
Sampaio I → Schneider H
Santos JL → Suja JA
Sasaki T → Ina S
Schartl M → Nanda I
Schiffkowski C → Staiber W
Schlötterer C: Evolutionary dynamics of microsatellite DNA 365, 571
Schmekel K: Methods for immunoelectron microscopic and fine structural analysis of synaptonemal complexes and nodules in yeast 110
Schmid M → Nanda I
Schmuckli-Maurer J, Heyer W-D: Meiotic recombination in *RAD54* mutants of *Saccharomyces cerevisiae* 86
Schneider H, Canavez FC, Sampaio I, Moreira M, Tagliaro CH, Seuánez HN: Can molecular data place each neotropical monkey in its own branch? 515
Schubert I → Hoopen R ten
Schwartz S → Wandstrat AE
Schweizer D → Loidl J
Sekelsky JJ → McKim KS
Seuánez HN → Schneider H
Seum C, Spierer A, Delattre M, Pauli D, Spierer P: A GAL4-HP1 fusion protein targeted near heterochromatin promotes gene silencing 453
Shen MH, Yang JW, Yang J, Pendon C, Brown WRA: The accuracy of segregation of human mini-chromosomes varies in different vertebrate cell lines, correlates with the extent of centromere formation and provides evidence for a *trans*-acting centromere maintenance activity 524
Shi F, Endo TR: Genetic induction of chromosomal rearrangement in barley chromosome 7H added to common wheat 358
Shinomiya T → Ina S
Smith AV, Roeder GS: Cloning and characterization of the *Kluyveromyces lactis* homologs of the *Saccharomyces cerevisiae RED1* and *HOP1* genes 50
Spence JM, Blackman RL: Inheritance and meiotic behaviour of a de novo chromosome fusion in the aphid *Myzus persicae* (Sulzer) 490
Spierer A → Seum C
Spierer P → Seum C
Staiber W, Schiffkowski C: Structural evolution of the germ line-limited chromosomes in *Acricotopus* 343
Su Y, Barton AB, Kaback DB: Decreased meiotic reciprocal recombination in subtelomeric regions in *Saccharomyces cerevisiae* 467
Suja JA, Cerro AL del, Page J, Rufas JS, Santos JL: Meiotic sister chromatid cohesion in holocentric sex chromosomes of three heteropteran species is maintained in absence of axial elements 35
Sullivan BA, Bickmore WA: Unusual chromosome architecture and behaviour at an HSR 181
Swift H → Tevzadze GG

Tagliaro CH → Schneider H
Testillano PS → González-Melendi P
Tevzadze GG, Swift H, Esposito RE: Spo1, a phospholipase B homolog, is required for spindle pole body duplication during meiosis in *Saccharomyces cerevisiae* 72

The Editor-in-Chief and Springer-Verlag: Online First publication 299
Timmis JN → Houben A
Toledo-Filho SA → Almeida-Toledo LF
Tsutsumi C → Hiraoka Y
Tsvetkov A → Bogolyubov D
Turner JMA, Mahadevaiah SK, Benavente R, Offenberg HH, Heyting C, Burgoyne PS: Analysis of male meiotic "sex body" proteins during XY female meiosis provides new insights into their functions 426
Tyler-Smith C → Floridia G

Vergunst AC, Jansen LET, Fransz PF, Hans de Jong J, Hooykaas PJJ: Cre/*lox*-mediated recombination in *Arabidopsis*: evidence for transmission of a translocation and a deletion event 287
Verlin D → Houben A
Vezuli A, Rumpler Y: Lemur chromosomal study with simultaneous R-banding and chromosome painting 214
Villasante A → Agudo M
Volff J-N → Nanda I

Walker MY, Hawley RS: Hanging on to your homolog: the roles of pairing, synapsis and recombination in the maintenance of homolog adhesion 3
Walter MF → Biessmann H
Wandstrat AE, Schwartz S: Isolation and molecular analysis of inv dup(15) and construction of a physical map of a common breakpoint in order to elucidate their mechanism of formation 498
Wanner G → Houben A
Warburton PE → Floridia G
Weis S → Nanda I
Wennerberg J → Jin Y
Wintersberger E: Why is there late replication? 300
Wolstenholme J, Angell RR: Maternal age and trisomy – a unifying mechanism of formation 435
Worman HJ → Ma J

Yamamoto A → Hiraoka Y
Yan J, Bronsard M, Drouin R: Creating a new color by omission of 3′ end blocking step for simultaneous detection of different chromosomes in multi-PRINS technique 565
Yang J → Shen MH
Yang JW → Shen MH
Yao JG → Biessmann H
Yokota Y → Ina S
Yoong Lim K, Kovarik A, Matyášek R, Bezděk M, Lichtenstein CP, Leitch AR: Gene conversion of ribosomal DNA in *Nicotiana tabacum* is associated with undermethylated, decondensed and probably active gene units 161

Zelentsova H → Evgen'ev M
Zeng C → Gimelli G
Zenvirth D → Ross LO
Zhang J-G → Lee C
Zuffardi O → Floridia G
Zuffardi O → Gimelli G
Zurovcova M → Biessmann H

Indexed in/abstracted by
the following services:
Current Contents
BIOSIS, Zoological Record